



# Montana Crop & Livestock Reporter

Cooperating with the Montana Department of Agriculture

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### August 1, 2011 Crop Production

Survey respondents who reported acreage as not yet planted for the June Acreage report were re-contacted in July to determine how many of those acres were planted or still intended to be planted. As a result of that survey, other spring wheat planted and harvested acreage decreased 500,000 acres and durum wheat planted and harvested acreage decreased 100,000 acres.

Montana's all wheat production is down 13 percent from last month's forecast, due to fewer acres planted and harvested for durum and other spring wheat and lower expected yields for winter and other spring wheat. Based on August 1 conditions, growers expect to produce 179.7 million bushels of all wheat, down from the 215.4 million bushels produced last year. The area for harvest is expected to be 4.9 million acres, down 600,000 acres from last month, and 6 percent below last year. These are the last small grain forecasts until the final small grains summary is published on September 30, 2011.

Winter wheat yield in Montana is expected to be 44.0 bushels per acre, down 1 bushel from July and down 4 bushels per acre from last year. Production is forecast to be down 2 percent from July to 94.6 million bushels compared with 93.6 million bushels last year. Acreage expected to be harvested is unchanged from the July forecast, but is up 200,000 acres from last year to 2.15 million acres. For the week ending August 7th, winter wheat was 25 percent harvested compared with 12 percent last year and the five-year average of 51 percent.

Spring wheat production in Montana is forecast to be 74.4 million bushels, down 28 percent from last year's production. The expected yield of 31.0 bushels per

acre is down 2 bushels from last month and 7 bushels below last year. Acres for harvest are down 500,000 from July and down 330,000 acres from last year to 2.4 million acres. Durum wheat production is forecast to be 10.7 million bushels, down 40 percent from last year, and down 21 percent from July. The expected yield of 29.0 bushels per acre is unchanged from last month, but down 5 bushels from last year. Harvested acres are down 30 percent from 2010 to 370,000 acres, 100,000 acres below the July forecast.

Barley yields are expected to average 55.0 bushels per acre in 2011, unchanged from last month, but down 7 bushels from last year. Barley production is forecast at 37.4 million bushels, down from the 38.4 million bushels produced last year. Growers expect to harvest 680,000 acres, up 60,000 acres from 2010.

Oat producers expect to harvest 20,000 acres, down 7,000 acres from 2010, if realized this would be the lowest harvested acreage on record. Production is expected to total 1.1 million bushels for grain, down 33 percent from last year, but 14,000 bushels above the record low set in 2006. The expected yield of 55.0 bushels per acre is down 6 bushels from last year and 1 bushel lower than the July forecast.

Sugar beet production is forecast to be 1,086,000 tons, down 13 percent from last year. The expected yield, at 25.2 tons per acre, is down 4.3 tons per acre from 2010. Producers expect to harvest 43,100 acres, up 600 acres from last year. Dry edible bean producers expect to harvest 16,800 acres this year, down 900 acres from last year, but up 800 acres from July. Yield is estimated at 1,700 pounds per acre, 330 pounds per acre lower than the previous year. All dry bean production is expected to be 286,000 cwt, down 73,000 cwt from last year. Producers planted 5,000 acres of pinto beans, down 7,500 acres from 2010, and 12,000 acres of all chickpeas, up 5,700 acres from 2010. Producers also planted 1,000 acres of other dry beans.

Alfalfa hay in Montana is expected to

yield 2.5 tons per acre in 2011, up 0.2 ton per acre from the previous year. Producers plan to harvest 1.95 million acres, unchanged from last year. Production is expected of 4.88 million tons, 9 percent above last year. If realized the production would be a new record high surpassing the previous record of 4.49 million tons set in 2010. The average yield for other hay is forecast to be 1.6 tons per acre, down 0.2 ton per acre from last year. Production of other hay is forecast at 1.3 million tons, down 21 percent from 2010.

In the United States, all wheat production, at 2.08 billion bushels, is down 1 percent from the July forecast and down 6 percent from 2010. Based on August 1 conditions, the yield is forecast at 45.2 bushels per acre, up 0.6 bushel from last month but down 1.2 bushels from last year.

U.S. winter wheat production is forecast at 1.50 billion bushels, up slightly from last month and up 1 percent from 2010. The United States yield is forecast at 46.3 bushels per acre, up 0.1 bushel from last month but down 0.5 bushel from last year. The area expected to be harvested for grain totals 32.3 million acres, unchanged from last month but up 2 percent from last year. Hard Red Winter, at 794 million bushels, is up slightly from a month ago. Soft Red Winter, at 452 million bushels, is down 1 percent from the previous forecast. White Winter is up 3 percent from last month and now totals 251 million bushels. Of this total, 11.8 million bushels are Hard White and 239.3 million bushels are Soft White.

U.S. other spring wheat production is forecast at 522 million bushels, down 5 percent from last month and down 15 percent from last year. The expected area to be harvested for grain totals 12.3 million acres, down 7 percent from last month and down 8 percent from last year. The United States yield is forecast at 42.5 bushels per acre, up 0.8 bushel from last month but down 3.6 bushels from 2010. Of the total production, 475 million bushels are Hard Red Spring Wheat, down 6 percent from last month and down 17 percent from last year. (continued on page two)

## **August 1 Crop Production** (continued from page one)

Durum wheat production is forecast at 57.1 million bushels, down 10 percent from July and down 47 percent from 2010. The United States yield is forecast at 42.4 bushels per acre, up 3.7 bushels from last month but unchanged from last year. Expected area to be harvested for grain totals 1.35 million acres, down 18 percent from last month and down 47 percent from last year.

Barley production in the U.S. for 2011 is forecast at 168 million bushels, down 3 percent from the July forecast and 7 percent from 2010. Based on conditions as of August 1, the average yield for the United States is forecast at 70.4 bushels per acre, up 0.8 bushel from July but 2.7 bushels below last year's record high. Area harvested for grain or seed, at 2.39 million acres, is down 4 percent from the previous forecast and down 3 percent from 2010. If realized, this will be the smallest harvested area since 1881.

U.S. oats production is forecast at 57.5 million bushels, 2 percent above the July 1 forecast but down 29 percent from 2010. If realized, this will be the lowest production on record, surpassing the previous record low set last year. Based on conditions as of August 1, the average yield for the United States is forecast at 61.6 bushels per acre, up 1.1 bushels from last month's forecast but down 2.7 bushels from 2010. Growers expect to harvest 934,000 acres for grain or seed, unchanged from the previous forecast but down 26 percent from last year. If realized, this will be the smallest harvested area on record, also surpassing the previous record low set last year.

Sugar beet production in the U.S. for the 2011 crop year is forecast at 30.4 million tons, down 5 percent from last year. Planted area is estimated at 1.25 million acres, up 1 percent from the June Acreage report and up 7 percent from last year. Producers expect to harvest 1.22 million acres, up 2 percent from the previous estimate and up 5 percent from 2010. Expected yield is forecast at 25.0 tons per acre, a decrease of 2.6 tons from last year.

United States dry edible bean production is forecast at 20.5 million cwt for 2011, down 36 percent from last year. Planted area is forecast at 1.27 million acres,

down 34 percent from the previous year. Harvested area is forecast at 1.19 million acres, down 35 percent from the previous year's harvested acreage. The average United States yield is forecast at 1,718 pounds per acre, a decrease of 8 pounds from 2010. Production is forecast to be lower than 2010 in 17 of the 18 estimating States, with the five largest producing States, North Dakota, Michigan, Nebraska, Minnesota, and Idaho, forecasting lower production than a year ago.

Alfalfa and alfalfa mixtures hay production for the U.S. is forecast at 65.0 million tons, down 4 percent from last year. Based on August 1 conditions, yields are expected to average 3.36 tons per acre, down 0.04 ton from last year. If realized, this will be the second highest yield since 2005. Harvested area is forecast at 19.3 million acres, unchanged from the June forecast but down 3 percent from the previous year's acreage.

U.S. other hay production is forecast at 67.0 million tons, down 14 percent from last year. If realized, this will be the lowest production level since 1993. Based on August 1 conditions, yields are expected to average 1.75 tons per acre, down 0.20 ton from last year. If realized, this will be the lowest United States yield since 1988. Harvested area is forecast at 38.3 million acres, unchanged from the June forecast but down 4 percent from last year. (See table on page four)

### **U.S. Farm Production Expenditures**

United States 2010 Total Farm Production Expenditures were \$289.0 billion in 2010, up from \$287.4 billion in 2009. The 2010 Total Expenditures rose 0.6 percent compared to 2009 Total Expenditures. This is in contrast to a fall of 6.4 percent for 2009 Total Expenditures when compared to 2008 Total Expenditures. Total Expenditures for 2009 remain unchanged from a year ago. Expense items showing increases from the previous year were: Tractors & Self Propelled Machinery, up 17.2 percent, Rent, up 14.6 percent, Other Farm Machinery, up 6.4 percent, Seeds & Plants, up 5.2 percent, Fertilizer, Lime, and Soil Conditioners, up 4.5 percent, Fuels, up 4.0 percent, Taxes, up 3.8 percent, Farm Supplies & Repairs, up 2.6 percent, and Feed, up 0.9 percent.

Total Fuels Expense was \$12.9 billion. Diesel, the largest sub-component, was \$8.2 billion accounting for 63.1 percent. Diesel expenditures were up 13.2 percent in 2010. Gasoline was \$2.6 billion, up 4.9 percent. LP Gas was \$1.5 billion, down 24.9 percent. Other Fuels were \$0.7 billion, down 10.0 percent.

The four largest expenditures at the United States level totaled \$134.4 billion and accounted for 46.5 percent of Total Expenditures in 2010. They were Feed, 15.7 percent; Farm Services, 12.4 percent; Labor, 9.5 percent; and Rent, 9.0 percent.

In 2010, the United States Total Farm Expenditure average per farm was \$131,793 compared with \$131,137 in 2009, an increase of 0.5 percent. On average, United States farm operations spent: \$20,705 on Feed, \$16,281 on Farm Services, \$12,496 on Labor, \$11,812 on Rent, and \$11,128 on Livestock and Poultry Purchases. For 2009, United States farms spent an average of: \$20,533 on Feed, \$16,609 on Farm Services, \$13,141 on Labor, \$11,818 on Livestock and Poultry Purchases, and \$10,312 on Rent.

The top three average per farm expenditures with the largest dollar increase were: Rent, up \$1,500 or 14.5 percent; Tractors & Self Propelled Equipment, up \$728, or 17.2 percent; and Fertilizer, Lime & Soil Conditioners, up \$406, or 4.4 percent.

The United States Economic Sales Class contributing most to the 2010 United States Total Expenditures was the \$1,000,000 - \$4,999,999 class, with expenses of \$80.1 billion, 27.7 percent of the United States total, up 6.3 percent from the 2009 level of \$75.4 billion. It was followed by the \$500,000 - \$999,999 class with \$51.6 billion (2009 - \$49.3 billion) and the \$5,000,000 and Over class with \$51.0 billion (2009 - \$51.0 billion).

Average 2010 Total Expenditures for the largest economic class of farms (\$5,000,000 and Over) were \$10.2 million. That is 5.7 times larger than the next largest economic class with farms \$1,000,000 - \$4,999,999 averaging \$1.8 million followed by the \$500,000 - \$999,999 economic class of farms averaging \$0.7 million. (continued on page three)

## U.S. Farm Production Expenditures (continued from page two)

In 2010, Crop Farms expenditures decreased to \$158.4 billion, down 0.1 percent while Livestock Farms expenditures increased to \$130.6 billion, up 1.3 percent. The largest expenditures for Crop Farms were Rent at \$21.7 billion, (13.7 percent); Farm Services at \$20.8 billion, (13.1 percent); Labor at \$18.8 billion, (11.9 percent). Combined crop inputs (chemicals, fertilizers, and seeds) were \$41.7 billion, accounting for 26.3 percent of Crop Farms total expenses. The largest expenditures for Livestock Farms were Feed at \$41.9 billion, (32.1 percent); Livestock and Poultry Purchases, at \$21.2 billion, (16.2 percent); Farm Services at \$14.9 billion, (11.4 percent), together accounting for 59.7 percent of Livestock Farms total expenses. The average Total Expenditure

for a Crop farm was \$165,006 compared with \$105,922 per Livestock farm.

Total Expenditures by Region were up in the Atlantic, the South, and the Plains in 2010. The South had the largest increase at 7.3 percent, while the Atlantic was up 1.5 percent. Total Expenditures for the Plains were up slightly. Total Expenditures for the West decreased 1.4 percent; the Midwest decreased only 0.4 percent.

The Midwest region contributed the most to United States Total Expenditures with expenses of \$87.7 billion (30.3 percent), down from \$88.0 billion in 2009. The other regions ranked by Total Expenditures are: Plains at \$68.1 billion (23.6 percent); West at \$63.6 billion (22.0 percent); Atlantic at \$36.0 billion (12.5 percent); and South at \$33.6 billion (11.6 percent).

The sum of Total Expenditures for the 15 Estimate States was \$188.3 billion in 2010 (65.2 percent of the United States Total Expenses) and \$186.1 billion in 2009 (64.8 percent). California contributed most to the 2010 United States Total Expenditures, with expenses of \$30.3 billion, (10.5 percent). California expenditures were up 2.8 percent from the 2009 estimate of \$29.5 billion. Iowa, the next leading state, had \$21.6 billion in expenses, (7.5 percent). Other states with more than \$10 billion in Total Expenditures were: Texas with \$20.4 billion (\$20.7 billion - 2009), Nebraska with \$16.0 billion (\$15.3 billion - 2009), Illinois with \$14.8 billion (\$14.4 billion - 2009), Minnesota with \$13.4 billion (\$13.5 billion - 2009), and Kansas with \$11.7 billion (\$12.0 billion - 2009).

### Farm Production Expenditures: Average Per Farm and Total, U.S. and Other Western States 2009-2010

Farm Expenditure	United States				Other Western States			
	Average per farm		Total Expenditures		Average per farm		Total Expenditures	
	2009	2010	2009	2010	2009	2010	2009	2010
	<i>Dollars</i>		<i>Million Dollars</i>		<i>Dollars</i>		<i>Million Dollars</i>	
Total Farm Production Expenditures	131,137	131,793	287,400	288,990	143,325	134,381	28,170	26,500
Livestock, poultry & Related Expenses	11,818	11,128	25,900	24,400	7,937	8,063	1,560	1,590
Feed	20,533	20,705	45,000	45,400	22,692	21,450	4,460	4,230
Farm Services	16,609	16,281	36,400	35,700	21,827	20,791	4,290	4,100
Rent	10,312	11,812	22,600	25,900	8,497	9,686	1,670	1,910
Ag Chemicals	5,247	4,834	11,500	10,600	4,070	4,108	800	810
Fertilizer, Lime & Soil Conditioners	9,171	9,577	20,100	21,000	7,581	7,404	1,490	1,460
Interest	5,019	4,652	11,000	10,200	6,360	6,085	1,250	1,200
Taxes	4,745	4,925	10,400	10,800	4,528	4,615	890	910
Labor	13,141	12,496	28,800	27,400	20,962	18,002	4,120	3,550
Fuels	5,658	5,883	12,400	12,900	6,105	6,592	1,200	1,300
Farm Supplies & Repairs	7,072	7,251	15,500	15,900	9,056	8,519	1,780	1,680
Farm Improvements & Construction	6,434	5,746	14,100	12,600	10,023	6,085	1,970	1,200
Tractors & Self-Propelled Farm Machinery	4,243	4,971	9,300	10,900	4,630	4,361	910	860
Other Farm Machinery	2,145	2,280	4,700	5,000	2,137	1,826	420	360
Seeds & Plants	7,072	7,434	15,500	16,300	4,325	4,412	850	870
Trucks & Autos	1,825	1,733	4,000	3,800	2,442	2,282	480	450
Miscellaneous Capital Expenses	91	87	200	190	153	101	30	20
Other Western States include AZ, CO, ID, MT, NV, NM, OR, UT, WY								

## Farm Real Estate Values and Cash Rents

The average value of farm real estate in Montana on January 1, 2011 was \$710 per acre, up \$10.00 from 2010. In 2011, the average value of cropland increased \$28 to \$807 per acre. The average value of irrigated cropland was \$2,700 per acre, unchanged from a year ago, while non-irrigated cropland increased \$30 to \$630 per acre. Pasture values remained unchanged at \$530 per acre.

The average cash rent for Montana cropland decreased \$1.00 from last year to \$30.00 per acre. Non-irrigated cropland average cash rent increased \$1.50 above 2010 to \$23.50 per acre in 2011. The

average cash rent for irrigated cropland was \$72.00 per acre, down \$13.00 from 2010. Average pasture rents were \$0.80 above 2010 at \$5.60 per acre in 2011.

The United States farm real estate value, a measurement of the value of all land and buildings on farms, averaged \$2,350 per acre for 2011, up 6.8 percent from 2010. Regional changes in the average value of farm real estate ranged from a 15.9 percent increase in the Corn Belt region to a 2 percent decline in the Southeast region. The highest farm real estate values remained in the Northeast region at \$4,690 per acre. The Mountain region had the lowest farm real estate value, \$923 per acre.

The United States cropland value increased \$260 to \$3,030 per acre. In the Northern Plains and Corn Belt regions, the average cropland value increased 17.2 and 16 percent, respectively, from the previous year. However, in the Northeast and Southeast regions, cropland values decreased by 1.3 percent and 1.1 percent, respectively.

The United States pasture value increased to \$1,100 per acre or 1.9 percent above 2010. The Southeast region had the largest percentage decrease in pasture value, 8.4 percent below 2010. The Corn Belt and Northern Plains regions had the highest percentage increase, both 6.6 percent above 2010.

**August 1, 2011 Crop Acreage, Yield and Production , Montana and United States**

Crop	Unit	Planted		Harvested		Yield		Production	
		2010	2011 1/	2010	2011 1/	2010	2011 1/	2010	2011 1/
Montana		1,000 Acres		1,000 Acres				1,000 Units	
Winter Wheat	Bu	2,050.0	2,300.0	1,950.0	2,150.0	48.0	44.0	93,600	94,600
Durum Wheat	Bu	540.0	380.0	530.0	370.0	34.0	29.0	18,020	10,730
Spring Wheat	Bu	2,850.0	2,500.0	2,730.0	2,400.0	38.0	31.0	103,740	74,400
All Wheat	Bu	5,440.0	5,180.0	5,210.0	4,920.0	41.3	36.5	215,360	179,730
Barley	Bu	760.0	780.0	620.0	680.0	62.0	55.0	38,440	37,400
Oats	Bu	65.0	50.0	27.0	20.0	61.0	55.0	1,647	1,100
Corn for Grain 2/	Bu	80.0	75.0	34.0	36.0	135.0	6/	4,590	6/
Sugar Beets	Ton	42.6	44.9	42.5	43.1	29.5	25.2	1,254	1,086
Potatoes, Fall	Cwt	11.5	11.0	11.3	10.7	325	4/	3,673	4/
Dry Beans	Cwt	18.8	18.0	17.7	16.8	20.3	17.0	359	286
Pinto Beans	Cwt	12.5	5.0	11.8	5/	23.3	5/	275	5/
Garbanzo Beans	Cwt	6.3	12.0	5.9	5/	14.2	5/	84	5/
Other Dry Beans	Cwt	--	1.0	--	5/	--	5/	--	5/
Dry Peas	Cwt	220.0	190.0	207.0	180.0	20.0	4/	4,140	4/
Austrian Winter Peas	Cwt	16.0	10.0	7.0	8.0	15.7	4/	110	4/
Lentils	Cwt	260.0	280.0	247.0	270.0	13.6	4/	3,359	4/
Canola	Lbs	17.5	38.0	17.4	37.0	17.3	3/	30,102	3/
Flaxseed	Bu	15.0	21.0	15.0	20.0	17.0	6/	255	6/
Mustard	Lbs	16.5	9.0	16.0	8.5	800.0	6/	12,800	6/
Safflower	Lbs	28.0	13.0	27.0	12.5	850	6/	22,950	6/
Alfalfa Hay	Ton	--	--	1,950.0	1,950.0	2.3	2.5	4,485	4,875
All Other Hay	Ton	--	--	900.0	800.0	1.8	1.6	1,620	1,280
All Hay	Ton	--	--	2,850.0	2,750.0	2.14	2.24	6,105	6,155
United States		1,000 Acres		1,000 Acres				1,000 Units	
Winter Wheat	Bu	37,335.0	41,108.0	31,749.0	32,307.0	46.8	46.3	1,485,236	1,497,429
Durum Wheat	Bu	2,570.0	1,398.0	2,529.0	1,347.0	42.4	42.4	107,180	57,130
Spring Wheat	Bu	13,698.0	12,677.0	13,359.0	12,270.0	46.1	42.5	615,975	521,975
All Wheat	Bu	53,603.0	56,433.0	47,637.0	45,924.0	46.4	45.2	2,208,391	2,076,534
Barley	Bu	2,872.0	2,725.0	2,465.0	2,390.0	73.1	70.4	180,268	168,218
Oats	Bu	3,138.0	2,587.0	1,263.0	934.0	64.3	61.6	81,190	57,489
Corn for Grain 2/	Bu	88,192.0	92,282.0	81,446.0	84,388.0	152.8	153.0	12,446,865	12,914,085
Sugar Beets	Ton	1,171.4	1,249.6	1,155.7	1,216.6	27.6	25.0	31,901	30,393
Potatoes, Fall	Cwt	893.7	948.6	881.3	936.1	409	4/	360,727	4/
Dry Beans	Cwt	1,911.4	1,265.2	1,842.7	1,190.2	17.26	17.18	31,801	20,451
Pinto Beans	Cwt	842.7	403.5	809.7	5/	17.06	5/	13,814	5/
Garbanzo Beans	Cwt	146.0	133.0	144.1	5/	13.46	5/	1,939	5/
Other Dry Beans	Cwt	51.7	41.1	49.6	5/	18.75	5/	930	5/
Dry Peas	Cwt	756.0	416.0	711.4	398.8	20.0	4/	14,221	4/
Austrian Winter Peas	Cwt	31.2	19.0	17.9	15.0	16.7	4/	237	4/
Lentils	Cwt	658.0	470.0	634.0	455.0	13.7	4/	8,657	4/
Canola	Lbs	1,448.8	1,092.8	1,431.0	1,121.4	1,713.0	3/	2,450,947	3/
Flaxseed	Bu	421.0	229.0	418.0	224.0	21.7	6/	9,056	6/
Mustard	Lbs	50.5	26.0	48.1	24.8	870.0	6/	41,861	6/
Safflower	Lbs	175.0	137.5	167.7	131.5	1,320.0	6/	221,335	6/
Alfalfa Hay	Ton	--	--	19,956.0	19,329.0	3.40	3.36	67,903	64,996
All Other Hay	Ton	--	--	39,906.0	38,276.0	1.95	1.75	77,653	67,002
All Hay	Ton	--	--	59,862.0	57,605.0	2.43	2.29	145,556	131,998

1/ Preliminary. 2/ Planted for all purposes. 3/ Forecast available October 12, 2011. 4/ Forecast available November 9, 2011.

5/ Forecast available December 9, 2011. 6/ Forecast available January 12, 2012. -- Not published.

**COMING IN THE NEXT REPORTER**

Red Meat Production  
Ag Prices Received

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